

(19) World Intellectual Property
Organization
International Bureau



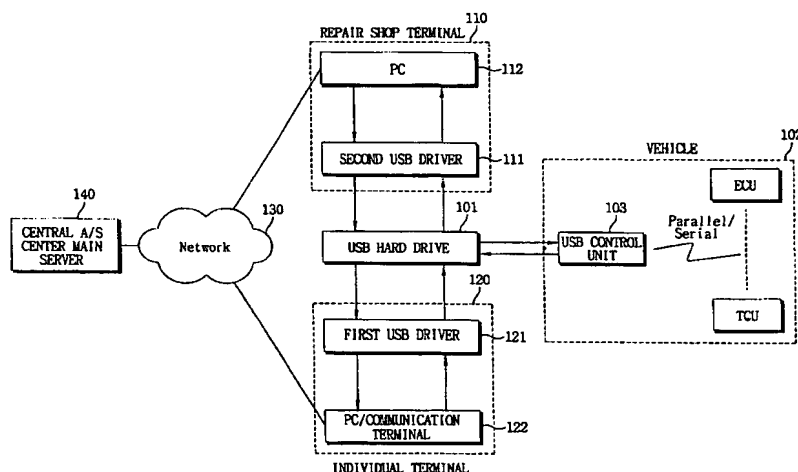
(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053767 A1

- (51) International Patent Classification⁷: **G06F 19/00**
- (21) International Application Number:
PCT/KR2002/002393
- (22) International Filing Date:
20 December 2002 (20.12.2002)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:
20-2002-0036582
6 December 2002 (06.12.2002) KR
- (71) Applicant (for all designated States except US): **TELL-SYN CO., LTD** [KR/KR]; 10F Seoul Finance Center B/D, 84 Taepyung-ro 1-ga, Chung-gu, 100-768 Seoul (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HONG, Seok-Woo** [KR/KR]; 102-1505 Hyundai Apt., 376 Namgajwa 2-dong, Seodaemun-gu, 120-758 Seoul (KR). **LEE, Myong-Shick** [KR/KR]; 123-1, Wonhyoro 4 ga, Yongsan-gu, 140-850 Seoul (KR). **JEONG, Pyo-Lyul** [KR/KR]; 70-1, Cheongdam 1 dong, Kangnam-gu, 135-101 Seoul (KR).
- (74) Agent: **KOREANA PATENT FIRM**; Dong-Kyong Bldg. 824-19, Yoksam-dong, Kangnam-gu, 135-080 Seoul (KR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR COLLECTING VEHICLE DATA AND DIAGNOSTICATING THE VEHICLE USING USB HARD DRIVE



(57) Abstract: The present invention provides a system and method for collecting vehicle data and diagnosing the vehicle using USB hard drive so as to settle the problem of the existing arbitrary vehicle care and maintenance. The system of the present invention comprises a USB hard drive which includes vehicle-related data comprising the vehicle basic information data and vehicle maintenance information data, a USB control unit which is connected to an electronic controller, mechanical controller, and sensors inside the vehicle and collects information from the vehicle, reads the vehicle-related data from the USB hard drive, or records the information collected from the vehicle in USB hard drive, a terminal unit which read the vehicle-related data from the USB hard drive and diagnoses the vehicle, and stores its result in the USB hard drive. The vehicles are systematically managed by collecting data from the vehicle using the system of the present invention and diagnosing vehicle's problems using said collected data.